

Equipment Rental Rates



EFFECTIVE JANUARY 1, 2007 THROUGH DECEMBER 31, 2007



**Equipment Rental Rates
January 1, 2007**

Report 375

MICHIGAN DEPARTMENT OF TRANSPORTATION
EQUIPMENT RENTAL RATES (SCHEDULE C)
EFFECTIVE JANUARY 1, 2007
THROUGH
DECEMBER 31, 2007

Hourly equipment rental rates are based on the following data reported by County Road Commissions on the county equipment questionnaires:

1. Expenses: Direct repair, indirect repair and storage, operating and depreciation.
2. Hours of equipment operation.

These rates were computed by using 2005 actual expenses of County Road Commissions, plus a factor for estimated increased costs between 2005 and 2007.

Counties possessing a State Trunk Line Maintenance Contract for the effective term of 10/01/2003 through 09/30/2008 will be reimbursed at these rates. However a county may elect to use a modified rate for reimbursement, in accordance with subsection 15(F) of the contract.

Table for Computing Equipment Depreciation

5 Year Depreciation

10.100, 10.200, 12.300, 12.301, 12.302, 12.303, 12.304, 12.305, 12.306, 12.307, 12.400, 12.501, 12.502, 12.503, 12.504, 31.100, 31.400, 62.500, 63.420, 63.430, 63.500, 63.510, 63.550, 63.554, 63.560, 63.565, 63.570, 63.575, 63.600, 63.700, 63.701, 63.702, 63.801, 63.802, 81.110, 81.120, 81.130, 81.251, 81, 252, 81.253, 81.254, 81.255, 81.256, 81.257, 81.258, 81.261, 81.262, 82.110, 82.119, 82.120, 82.121, 82.122 82.128, 82.130, 82.140, 95.350

Calendar Year Month	Fiscal Year Month	Year of Purchase	Depreciation Years				
			2 nd Year	3 rd Year	4 th Year	5 th Year	6 th Year
January	1	33.00%	27.00%	20.00%	13.00%	7.00%	0.00%
February	2	30.25%	27.50%	20.58%	13.59%	7.50%	0.58%
March	3	27.50%	28.00%	21.17%	14.16%	8.00%	1.17%
April	4	24.75%	28.50%	21.75%	14.75%	8.50%	1.75%
May	5	22.00%	29.00%	22.33%	15.34%	9.00%	2.33%
June	6	19.25%	29.50%	22.92%	15.91%	9.50%	2.92%
July	7	16.50%	30.00%	23.50%	16.50%	10.00%	3.50%
August	8	13.75%	30.50%	24.08%	17.09%	10.50%	4.08%
September	9	11.00%	31.00%	24.67%	17.66%	11.00%	4.67%
October	10	8.25%	31.50%	25.25%	18.25%	11.50%	5.25%
November	11	5.50%	32.00%	25.83%	18.84%	12.00%	5.83%
December	12	2.75%	32.50%	26.42%	19.41%	12.50%	6.42%

8 Year Depreciation

All other equipment not listed in 5 year depreciation schedule.

Calendar Year Month	Fiscal Year Month	Year of Purchase	Depreciation Years							
			2 nd Year	3 rd Year	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year
January	1	22.00%	19.00%	17.00%	14.00%	11.00%	8.00%	6.00%	3.00%	0.00%
February	2	20.17%	19.25%	17.16%	14.25%	11.25%	8.25%	6.17%	3.25%	0.25%
March	3	18.33%	19.50%	17.34%	14.50%	11.50%	8.50%	6.33%	3.50%	0.50%
April	4	16.50%	19.75%	17.50%	14.75%	11.75%	8.75%	6.50%	3.75%	0.75%
May	5	14.67%	20.00%	17.66%	15.00%	12.00%	9.00%	6.67%	4.00%	1.00%
June	6	12.83%	20.25%	17.84%	15.25%	12.25%	9.25%	6.83%	4.25%	1.25%
July	7	11.00%	20.50%	18.00%	15.50%	12.50%	9.50%	7.00%	4.50%	1.50%
August	8	9.17%	20.75%	18.16%	15.75%	12.75%	9.75%	7.17%	4.75%	1.75%
September	9	7.33%	21.00%	18.34%	16.00%	13.00%	10.00%	7.33%	5.00%	2.00%
October	10	5.50%	21.25%	18.50%	16.25%	13.25%	10.25%	7.50%	5.25%	2.25%
November	11	3.67%	21.50%	18.66%	16.50%	13.50%	10.50%	7.67%	5.50%	2.50%
December	12	1.83%	21.75%	18.84%	16.75%	13.75%	10.75%	7.83%	5.75%	2.75%

10.000	AUTOMOTIVE	
.100	Car or station wagon (passenger type)	7.81
.200	Bus - 5400 G.V.W. Minimum	10.08
11.000	TRAILERS (Flat Bottom Type)	
.100	Under 2 tons	7.95
.101	2 tons minimum	11.98
.102	6 tons minimum	12.60
.103	10 tons minimum	13.36
.104	15 tons minimum	20.09
.105	25 tons minimum	29.99
12.000	TRUCKS	
	<i>Conventional only. Gas or diesel powered without optional accessories or attachments. Classified by G.V.W.R. (Gross Vehicle Weight Rating), assigned & printed by the manufacturer on the Vehicle Certification.</i>	
.300	Under 10,500	8.57
.301	10,500 minimum	13.84
.302	16,000 minimum	15.10
.303	19,500 minimum	18.93
.304	23,000 minimum	23.43
.305	26,000 minimum	24.78
.306	33,000 minimum	34.67
.307	41,000 minimum	39.24
	<i>All Wheel Drive Only. Gas or Diesel powered without optional accessories or attachments. Classified by G.V.W.R. (Gross vehicle Weight Rating), assigned by the manufacturer on the Vehicle Certification Label.</i>	
12.400	Under 20,000	12.07
.401	20,000 minimum	19.15
.402	35,000 minimum	40.59
.403	40,000 minimum	43.01
.404	43,000 minimum	48.18
.405	51,000 minimum	49.29
12.410	Multi purpose 4 WD truck/tractor	25.35

	<i>Tandem only. Gas or diesel powered without optional accessories or attachments. Classified by G.V.W.R. (Gross Vehicle Weight Rating), assigned and printed by the manufacturer on the Vehicle Certification Label.</i>	
12.501	Under 41,000	34.26
.502	41,000 minimum	40.84
.503	49,000 minimum	41.59
.504	57,000 minimum	42.75
.507	Tri-Axle Gas or Diesel without Optional Accessories	48.64
12.508	Quad-Axle Gas or Diesel without Optional Accessories	41.99
13.100	Camper Body - pickup mounted	.31
13.200	Portable Hyd. Dump Box (for pickup trucks)	.81
13.400	Enclosed Van Trailer	4.37
14.100	Super Haul Body	2.21
14.125	Dump Box Liner	1.40
20.000	BITUMINOUS DISTRIBUTORS AND KETTLES	
	<i>Distributor tank with motorized pump, heater, distributor bar (not including truck or tractor)</i>	
.201	400 gals. Minimum capacity	14.01
.202	1,000 gals. Minimum capacity	31.17
.203	2,500 gals. Minimum capacity	44.35
	<i>Bituminous Kettles - Hand Operated, Spray Assembly for Joint and Crack Filling, (trailer mounted)</i>	
20.401	Under 80 gals. capacity	6.33
.402	80 gals. Minimum capacity	7.57
.403	165 gals. Minimum capacity	9.67
.404	225 gals. minimum capacity	12.47
.405	300 gals. minimum capacity	12.91
.406	500 gals. Minimum capacity	13.17
.520	Blower-starter (including compressor)	3.25
.601	Hot rubber kettle	13.24
.700	Lance (for blowing clean & heating crack prior to filling)	2.94

21.000	HEATERS	
	<i>Tank Car - (fuel included)</i>	
21.101	1 car	19.43
.102	2 cars	27.18
.103	3 cars	28.19
.200	Bituminous tool Heater (trailer mounted)	3.19
.250	Heater for Bituminous Materials	4.01
.260	Bituminous Materials Heater - Hopper box trailer mounted, (2) - 100 pound bottle gas tank storage	11.40
.300	Surface heater - for spot repairing of bituminous surface	3.72
.301	Infrared surface heater - spot heating repairing of bituminous surfaces	55.59
.350	Radiant heater - luminous wall	61.71
.400	Heated asphalt roller (for spot repairing)	4.30
22.000	AGGREGATE DRYER - Including engine and heater (trailer mounted)	
.300	100 tons and over	80.11
23.000	BITUMINOUS MIXING & PAVING EQUIPMENT	
.101	Asphalt recycling machine - portable	39.80
	<i>Bituminous mixer for patching with dryer</i>	
.103	Under 5 tons capacity	39.65
.104	5 tons minimum capacity	35.33
.105	8 tons minimum capacity	37.73
.120	Patching machine, cold mix w/rotor gun appl. (trailer mounted)	45.89
.150	Self contained patching machine (truck mounted, complete unit)	40.42
.201	Bituminous paver - complete unit, self-propelled loads, mixes, spreaders, and finishes	64.73
.202	Bituminous paving finisher only, self propelled	96.86
.203	Bituminous spreader only, tailgate type	40.35
.204	Multi-blade mixer - (including blades) used for mixing bituminous materials	12.77
.205	Bituminous patching aid, shelf type	1.12
.206	Asphalt Trailer, flowboy type (not including trailer)	43.24

23.210	Self propelled asphalt maintainer	43.30
.300	Bituminous curb laying machine	13.41
23.310	Utility trench paver (attach. to bucket lip)	4.94
	<i>Complete Asphalt Plant</i>	
23.340	20 tons minimum capacity	431.57
.350	60 tons capacity	560.18
.400	100 tons capacity	574.42
24.000	Portable Truck Scales - Platform type	.65
25.000	BITUMINOUS SUPPLY TANK - (portable with heater and pump)	
.100	2,000 gals. Minimum capacity	11.17
.200	3,000 gals minimum capacity	13.19
.300	3,500 gals minimum capacity	14.05
.400	4,000 gals minimum capacity	22.29
.700	4,000 minimum capacity (no pump)	85.51
.800	8,000 minimum capacity (permanent installation)	35.06
26.000	Heater Planer - Cut 1" depth by 81" width - (self-propelled)	58.02
26.100	Hydraulic powered planer (attachment only)	32.26
30.000	CONCRETE MIXING AND PAVING EQUIPMENT	
.100	Curb and gutter paver	7.03
.105	Curb and gutters forms	5.06
.107	Bridge abutment forms	11.83
.110	Slip form paver with sidewalk mule	96.04
.120	Concrete Repair Application Gun (pneumatic)	9.92
	CEMENT MIXERS	
30.511	Under 2 1/4 cu. ft.	6.68
.512	2 1/4 cu. ft minimum	9.10
.513	4 ½ cu. Ft. minimum	13.87
.514	9 cu. Ft, minimum	14.25
.515	13 ½ cu. Ft. minimum	21.42
30.520	Transit mixer without truck	30.52
.700	Concrete vibrator	2.44

30.750	Vibrating screed, Motorized trowel	10.46
31.000	CONCRETE PAVEMENT SAW WITHOUT BLADE (charge blades to road materials)	
31.100	Under 40 H.P.	37.37
.400	40 H.P. minimum	45.95
.410	Pneumatic pavement saw	4.70
32.000	Concrete Grooving Machine	19.97
32.100	Concrete plane	48.17
.120	Concrete milling machine 15" minimum width	50.67
.130	Concrete milling machine 35" minimum width	81.83
.140	Concrete Router	24.04
.145	Pavement scarifier	33.35
33.000	Cement Spreader - Trailer type for spreading cement on soil	3.57
43.000	DITCHER - TRENCHERS - COMPLETE UNITS	
.110	Under 13" width	21.01
.111	13" minimum width	33.92
.112	24" minimum width	38.64
.200	Under 13" width - attachment only - p.t.o. type	33.40
44.000	ROCK RIPPERS, BRUSH RAKES, AND BULLDOZER BLADES (attachment only)	
.100	Rock ripper - each	6.33
.150	Blade rake with brush guard (attachment to bulldozer blade)	8.83
	<i>Bulldozer blades - (cutting edge included)</i>	
.200	Under 10' width	2.88
.300	10' minimum width	3.60
.400	12' minimum width	4.50
.500	14' minimum width	6.01
45.000	MOTOR GRADERS - Gas or diesel powered (including blades without optional accessories or attachments except roll over protection. Classified by standard machine weight.	
45.101	Under 13,000 lbs.	33.26
.102	13,000 lbs. Minimum	37.53
45.103	16,000 lbs. Minimum	37.96

45.104	21,000 lbs Minimum	42.03
.105	24,000 lbs. Minimum	43.81
.106	27,000 lbs. Minimum	44.51
.107	30,000 lbs. Minimum	56.76
	MOTOR GRADER ATTACHMENTS	
45.200	Scarifier - attachment (including teeth and controls)	19.49
.210	Roller - 4' minimum attachment to scarifier bracket	6.55
.225	Scarifier blade with rotating tips - attachment to moldboard	10.47
.250	Automatic hydraulic blade control - attachment to motor grader	1.91
.252	Automatic blade control electronic - attachment to motor grader	5.92
.255	Ice/gravel scarifier attachment to grader blade	6.05
.260	Highway (brush) cutter, hydraulic - attachment to motor grader	29.94
.262	Snow wing attachment - (attaches to top of mold board)	1.94
.264	Asphalt cutter - attachment to moldboard	31.87
.270	Grade-slope-shoulder cutter (16" moldboard hydraulic attachment to motor grader)	30.10
.280	Blade shock absorber - attach. to motor grader	.57
.290	Compaction crusher - attach. to motor grader	17.87
45.300	DRAWN GRADERS	
.305	Mechanical controls	4.88
.310	Powered operated controls	5.28
46.000	MAINTAINERS	
.100	Drawn - (including blades)	7.70
.200	Hydraulic maintainer blade attach. to tractor	7.75
.300	Self powered berm cutter (tow type)	28.61
.400	Windrow eliminator, attach. to tractor/grader	8.34
46.500	Tractor - type maintainer, min 40 h.p. 6,000 lbs., including power sliding moldboard without optional accessories or attachments. (Including powered)	10.45
.600	Side dozer - attachment, hydraulic powered	2.38

47.000	EXCAVATORS - SHOVEL, DRAGLINE, HOE, CLAMSHELL, AND CRANE. (CLASSIFIED BY CAPACITY OF BUCKET)	
	<i>Crawler Mounted</i>	
47.201	Under ½ cu. Yd. Bucket	12.34
.202	½ cu. Yd. Bucket minimum	27.02
.203	¾ cu. Yd. Bucket minimum	30.73
.204	1 cu. Yd. Bucket minimum	39.45
.205	1 ½ cu. Yd. Bucket minimum	46.92
.206	2 cu. Yd. Bucket minimum	57.83
	<i>Rubber tire mounted</i>	
47.301	under ½ cu. Yd. Bucket minimum	36.89
.302	½ cu. yd. Bucket minimum	38.19
.303	¾ cu. Yd. Bucket minimum	47.73
.304	1 cu. Yd. Bucket minimum	48.13
	<i>Tractor shovel or loader - manufactured as a complete integral unit (classified by pounds of operating capacity or operating load. The operating capacity or load is based on 50% of the tipping load SAE rated with standard equipment; including roll over protection, and in a full turn position if applicable).</i>	
47.401	Under 3,000 lbs operating capacity or load	32.63
.402	3,000 lbs minimum operating capacity or load	33.28
.403	4,500 lbs. Minimum operating capacity or load	36.14
.404	6,600 lbs. Minimum operating capacity or load	44.49
.405	7,500 lbs. Minimum operating capacity or load	48.35
.406	9,000 lbs. Minimum operating capacity or load	36.01
.407	10,500 lbs. Minimum operating capacity or load	40.96
.408	12,000 lbs. Minimum operating capacity or load	42.61
.450	Extendable Boom (non-hydraulic) - Material handling arm - extends to 20'	31.19
.460	Asphalt planer attachment (cutting width 24" and under)	8.88
.470	Pallet Lifter (4000 lbs. Capacity)	4.68

	<i>Hydraulic excavator - crawler or rubber tire mounted with telescoping boom (classified by standard machine weight, including roll over protection)</i>	
47.601	Without remote control (all)	42.16
.602	With remote control - under 45,000 lbs.	55.03
.603	With remote control - 45,000 lbs. Minimum	60.12
47.700	Hydraulic wrist, allows bucket or attachment to swing up to 90 degrees from center	9.62
48.000	UNDERBODY SCRAPER - (INCLUDING BLADES)	
48.100	Mechanical	4.21
.200	Air or hydraulic powered pressure on the moldboard	7.00
.201	Air or hydraulic powered pressure on the moldboard and power reversing of the moldboard	7.09
.202	Air or hydraulic powered pressure on the moldboard and power reversing and tilting of the moldboard	11.18
48.400	EARTH HAULERS	
	<i>Scraper only - including blades, (classified by rated capacity of scraper)</i>	
.404	Under 5 cu. Yds.	9.61
.405	5 cu. Yds. Minimum	11.12
.406	6 cu. Yds. Minimum	11.98
.407	8 cu. Yds. Minimum	15.94
.408	10 cu. Yds. Minimum	17.97
.409	12 cu. Yds. Minimum	18.96
	<i>Scraper and rubber tired tractor - (including blades). Classified by rated capacity of scraper</i>	
48.501	Under 5 cu. Yds. Minimum	23.41
.502	5 cu. Yds. Minimum	25.16
.503	7 cu. Yds. Minimum	33.77
.504	9 cu. Yds. Minimum	55.70
.505	11 cu. Yds. Minimum	75.25
.506	13 cu. Yds. Minimum	92.30
.507	17 cu. Yds. Minimum	100.59
.508	21 cu. Yds. Minimum	102.89

48.540	Single engine self loading 16 cu. Yd. Minimum	126.11
	SCRAPER TWIN ENGINE, SELF LOADING	
48.556	Under 16 cu. Yds. Minimum	88.57
.557	21 cu. Yds. Minimum	175.89
	<i>Scraper only (including blades) attachment to motor grader - replaces moldboard and drawbar. Classified by rated capacity of scraper.</i>	
48.602	5 cu. Yds. Minimum	38.73
50.000	EDUCTORS	
.200	1,000 - 2,000 gal. Self contained unit without truck	32.52
51.000	SEWER CLEANING EQUIPMENT	
	Rods	
51.100	Without power	5.30
.150	1.3 h.p. electric motor minimum	5.70
	Bucket machines or rodders	
51.200	2 h.p. engine minimum	12.85
.202	9 h.p. minimum	22.45
.204	15 h.p. engine minimum	30.40
.400	Attachment to fire hose	6.05
.500	Hydraulic sewer cleaner (water type) with 1000 PSI working pressure	22.47
.510	Hydraulic Sewer Cleaner Extension - self propelled w/trailer	9.06
.520	Hydraulic pipe cutter, 18" to 48" adjustable	8.45
52.000	Steam Thawing Equipment - used exclusively for thawing drainage structures	28.49
53.000	CATCH BASIN CLEANERS	
.100	Orange peel type bucket, without truck	22.10
.300	Vacuum pump type without truck, or conveyor with bucket	24.25
62.000	SNOW PLOWS	
	Rotary or auger, attachment only, including power unit (not including truck, grader, or tractor)	
62.101	10 h.p. engine minimum	44.55
.102	76 h.p. engine minimum	53.14
.103	151 h.p. engine minimum	106.38

62.104	Power take-off	15.71
	<i>Rotary or auger - manufactured or assembled as a complete integral unit (self-propelled)</i>	
62.111	63 h.p. engine minimum	77.90
62.112	151 h.p. engine minimum	165.41
.200	Vee plows - (all sizes -blades included)	24.02
.300	One-way plows (all sizes - blades included)	16.04
.320	Reversible plows, all sizes, manually operated	12.02
.350	Reversible plows, all sizes, reverse hydraulically operated, blade included	17.55
	<i>Snow plow wings - (not including truck, grader, or tractor)</i>	
62.401	Manually operated	9.61
.402	Power operated	15.97
.403	Roto-wing (not including truck, grader, or tractor)	6.37
.490	Sidewalk - snow thrower, not self propelled	2.98
.500	Sidewalk - rotary, hand guided, self propelled	12.61
.501	Snow blower - attachment for tractor less than 6,000 lbs.	14.63
.600	Extra large vee plow (over 8 tons)	12.69
63.000	SPREADERS - (not including truck)	
	<i>Towed type</i>	
63.100	Traction driven spinner	8.95
.125	Traction driven (without spinner)	10.14
	<i>Tailgate type</i>	
63.200	Roller or auger (without spinner) hydraulic, chain, motor, traction or truck tire friction drive without cab controls	5.43
.250	Roller or auger (without spinner) hydraulic, chain, motor, traction or truck tire friction drive with hydraulic cab controls	5.64
.300	With spinner, hydraulic, chain, motor, or truck tire friction drive without cab controls	6.15
.350	With spinner, hydraulic, chain, motor, or truck tire friction drive with hydraulic cab controls	3.44
63.352	Hydraulic tailgate spreader with conveyor for RIGHT OR LEFT hand discharge	5.63
.355	Hydraulic tailgate spreader ground sensing control system	1.08

63.360	Tailgate spreader same as 63.250 & 63.350 with a ground speed control system.	10.76
63.370	With spinner and auger, cab controlled; electric motor drive	8.19
.390	Liquid Spray System (pre-wetting of salt)	5.55
.395	Anti-icing, dust control spray system (slide in type)	26.78
.400	With blower	10.68
63.410	Gravity fed	1.77
	Hopper box type	
63.420	Gravity fed (hopper only) 3 cu. yd. minimum	5.48
.430	Truck or trailer mounted with conveyor and/or auger and spinner - 1 1/4 cu. yd. minimum	9.41
.500	Truck mounted with conveyor and/or spinner (including piggy-back type) 4 cu. yd. minimum	9.98
.510	Same as .500 plus ground speed sensors	10.20
.550	Truck mounted with (hydraulic) cab controlled conveyor and/or spinner (including piggy-back types) 4 cu. yd. minimum	7.45
.554	Same as .550 plus ground speed sensors	8.88
.560	Truck mounted with (hydraulic) cab controlled conveyor and/or spinner (including piggy-back types) 10 cu. yd. minimum	7.84
.565	Same as .560 plus ground speed sensors	12.61
.570	Truck mounted, cab controlled with side delivery system mounted on rear of box for centerline discharge and ground speed sensors	6.03
.575	Truck mounted, cab controlled with side delivery system on rear of box for center line discharge	5.87
.600	Same as 63.550 & 63.560, but with automatic-electronically operated hydraulic valve/control system and with electronic ground speed sensors	7.50
	Trailer, v-bottom type - including spreader with conveyor and/or spinner	
63.700	8 cu. yd. minimum capacity	7.58
.701	11 1/2 cu. yd. minimum capacity	13.09
.702	14 cu. yd. minimum capacity	26.74
	Two-way spreader	
63.801	Dump tilts forward as spreader (with auger and spinner, and tilts back as tailgate dump. (truck included) 6 cu. yd.	24.05
.802	Same as 63.801 but 12 cu. yd. minimum	32.98

70.000	TRACTORS - Wheel or crawler - gas or diesel powered, without optional accessories or attachments. Classified by standard machine weight including roll over protection.	
70.100	Under 1,000 lbs.	19.19
.101	1,000 lbs. minimum	28.36
.102	6,000 lbs. minimum	31.33
.103	10,000 lbs. minimum	34.14
.104	16,000 lbs. minimum	39.19
.105	21,000 lbs. minimum	52.32
.106	35,000 lbs. minimum	59.36
70.500	Backhoe attachment to tractor, 12" minimum, without tractor	4.38
70.600	Concrete breaker (attaches to backhoe)	8.77
80.000	FARM EQUIPMENT	
	<i>Drag or harrow</i>	
80.201	Spring tooth - under 20' width	2.07
.202	Spring tooth - 20' width minimum	5.12
.203	Spike tooth	5.88
.204	Double disk	6.82
.205	Klod buster	5.54
.209	Disc shoulder conditioner	5.52
.300	Drill and chemical fertilizer spreader	5.11
.301	Mulch spreader - trailer or truck mounted (not including truck)	21.26
.302	Hydro seeder - trailer or truck mounted (not including truck)	26.43
.310	Hydro seeder - under 500 gallon capacity	9.41
.312	Overseeder	29.16
.500	Fence or sign post driver - power driver, (not pneumatic attachment), trailer mounted or tractor attachment	.76
.510	Fence or sign driver - pneumatic	.84
80.540	Fence or Sign drive - hydraulic	2.42
.550	Fence or sign post puller - hydraulic attachment to truck	.62
.600	Plow (farm)	1.66
.700	Post hole digger or earth auger - power "takeoff" attach. or power propelled, hand operated	36.62

80.701	Power earth auger - trailer or truck mounted - not including truck	8.92
.702	Concrete core drill unit without truck	11.15
.703	Concrete core drill unit without truck, including diamond bits	11.66
.704	Power rock or earth drill - vehicle mounted without compressor	16.16
.705	Boring unit, hydraulic powered, p.t.o., not including truck or tractor	5.29
.706	Hydraulic Guardrail Post Pounder, Puller, and Hole Auger, Engine Driven, (truck mounted not including truck)	47.45
80.707	Hydraulic platform for post(digging-driving-pulling) truck mounted; not including truck	8.12
.708	Directional boring unit, self contained	50.02
.709	Digger derrick with accessories (truck mounted, not including truck)	20.70
.710	Rock drill and breaker bar - gas, driver, self contained	6.16
.714	Earth drill, without compressor	13.07
.750	Hydraulic doweling drill, w/trailer	12.39
	<i>Rakes</i>	
80.801	Stone	5.17
.802	Hay	3.06
	<i>Sod cutters</i>	
80.900	Drawn (attachment only)	7.57
.901	Self-propelled (complete unit)	8.78
81.000	MOWING EQUIPMENT	
	<i>Highway mowers</i>	
81.110	Sickle-bar type, attachment only, tractor not included	18.94
.120	Rotary, hammer, knife, or flail type, PTO, attachment only, tractor not included	13.10
.130	Rotary, 15' minimum - attachment only, tractor not included	23.26
.135	Rotary, 4' minimum - blade is hydraulic driven, brush cutter, tractor not included	17.75
.140	Rotary, 5' minimum - weed and brush, blade is hydraulic driven, and with or without hydraulic arm, attachment only tractor not included	12.53
.160	Rotary, self leveling slope mower	11.29
	<i>Lawn mowers (reel, rotating or flail type)</i>	

81.251	Under 20"	4.25
.252	20" minimum	6.30
.253	24" minimum	9.93
81.254	30" minimum	12.45
.255	36" minimum	14.35
.256	49" minimum	15.80
.257	61" minimum	27.14
.258	Edger-trimmer - powered	7.25
	<i>Sickle-bar type</i>	
81.261	Under 30" cutting width, hand guided	6.07
.262	30" minimum cutting width, hand guided	6.39
	<i>Gang mowers - 24" to 30" reels - attachment or drawn, without tractor</i>	
81.276	3 reel type	4.73
.277	5 reel type and over	6.15
81.300	Grass collecting system (tractor mounted)	3.75
82.000	TREE EQUIPMENT	
82.110	Buzz saw	4.57
	<i>Chain saws (gas or electric)</i>	
82.119	Under 18" bar	4.92
.120	18" bar minimum	5.62
.121	30" bar minimum	12.14
.122	51" bar minimum	22.36
.125	Gas powered multi-purpose cutoff saw (on concrete sawing, charge blade to project)	15.50
.128	Reciprocating saw (tree trimming)	5.49
.130	Brush (2 wheel mounted) powered circular saw	12.27
.140	Brush (small) shoulder carried; chain, circular, or monofilament type	4.73
82.200	Brush or tree chipper for material under 9"	20.34
.210	Brush or tree chipper for material 9" minimum	25.79
82.230	4 Wheel Drive, self propelled brush cutter with 10' cutter head	70.05
.235	Hydraulic boom tree shearer	82.49

82.250	Total timber harvester - with hydraulic boom attached and conveyor feed (trees to 20" dia.)	79.63
.260	Log splitter - engine powered	6.15
82.290	Gas powered pruner w/ telescoping drive shaft	6.84
.300	Hydraulic pole chain saw	6.36
.305	Hydraulic pruner	4.00
.405	Stump cutter	40.37
.500	Tree spade, trailer mounted	12.87
.501	Tree spade, truck mounted without truck	8.64
.502	Grapple tree sheared	48.40
.505	Timber fork	8.19
83.000	STREET CLEANING EQUIPMENT	
	<i>Brooms</i>	
83.110	Towed - traction or power take off type (attachment only)	15.85
.120	Towed - engine powered - (attachment only)	29.84
.130	Tractor or loader - engine powered, hydraulic or power take off drive (attachment only)	19.44
.140	Self-propelled power broom	35.65
.150	Hand-held power broom	5.37
	<i>Street sweepers - self-propelled with curb brushes and pickup attachment - classified by capacity of hopper</i>	
83.205	Under 1/3 cu. yd.	20.49
.210	1/3 cu. yd. minimum	35.61
.215	1 1/4 cu. yd. minimum	39.29
.220	2 cu. yd. minimum	40.14
.230	3 cu. yd. minimum	75.06
.240	4 cu. yd. minimum	82.41
	<i>Leaf cleaners</i>	
83.300	Vacuum cleaner, trailer mounted (attachment only) without truck	26.82
.301	Complete unit for catch basins and leaf pickup, including vacuum cleaner and storage box, truck not included	41.20
.302	Sweeper - hand propelled and guided	3.04
.303	Sweeper - self-propelled, hand guided	9.96

83.304	Sweeper - attachment to tractor with mechanical pickup	31.79
.305	Leaf loader, brush pickup type, w/95 power unit minimum, truck not included	34.48
.310	Vacuum type litter picker, self-propelled, riding, self contained, vacuum, min. 8 h.p.; base unit minimum 8 h.p.	14.74
.350	Mini-vac system, skid mounted for truck or trailer	1.98
	<i>Flusher - complete (not including truck)</i>	
83.411	Under 1,400 gal.	4.72
.412	1,400 gal. minimum	5.91
.413	2,000 gal. minimum	6.58
.500	Refuse collector, truck mounted, power operating (not including truck)	4.84
	<i>One man refuse collection vehicle - dual driving and compaction controls from either side of walk in cab - self propelled and self contained compactor</i>	
83.510	10 cu. yd. minimum	22.57
.520	25 cu. yd. minimum	41.65
.600	Compost turner (tractor not included)	21.78
.700	Road magnet	1.55
.720	Electromagnetic sweeper	22.53
84.000	SPRAYING EQUIPMENT	
84.100	Mist blower-high velocity air stream for applying insecticide, not including truck or trailer	42.26
.200	Ultra-low volume aerosol generator, for insecticide	9.31
	<i>Hydraulic pressure type sprayer - for applying liquid insecticide or weed killer through nozzles (not including truck)</i>	
84.301	Under 60 gal. tank capacity	4.23
.302	60 gal. minimum tank capacity	8.70
.303	200 gal. minimum tank capacity	16.33
.400	Spray boom attachment (not including truck, or trailer)	5.93
84.500	Meter, mix and flow or spray type sprayer - for applying epoxy and polyester resins and polyurethane foams	13.27
85.000	LOADERS - CONVEYOR TYPE	
	<i>Engine driven</i>	

85.100	Not self-propelled or feeding	31.18
85.101	Not self-propelled or feeding, with hopper box bin (minimum 10 cu. yd. capacity)	30.24
	Self feeding	
85.102	Not self-propelled	22.30
.103	Not self-propelled - with buzzer screen	24.76
	Self-feeding and self-propelled	
85.104	2 cu. yd. per minute minimum	16.69
.105	6 cu. Yd. Per minute minimum	87.04
.110	Towed, self-feeding, attach. to motor grader	27.33
	Front End Loaders Bucket loader - attachment only - used with tractor code 70.000 series - tractor rate not included; or truck code series 12.000 - truck rate not included. Classified by rated capacity of bucket.	
85.301	Under 1/3 cu. yd. bucket	3.40
.302	1/3 cu. yd. bucket minimum	4.43
.303	½ cu. yd. bucket minimum	5.18
.304	1 cu. yd. bucket minimum	5.22
.305	1 5/8 cu. yd. bucket minimum	8.18
.306	2 1/4 cu. yd. bucket minimum	8.42
.307	3 cu. yd. bucket minimum	9.00
.400	Snow bucket (used for snow removal only)	4.78
85.450	Guardrail Scuffer (hydraulic)	4.88
85.500	Pincher bucket	4.85
86.000	PAINT EQUIPMENT	
	Pavement markers	
86.200	Push type striper - using power, activated by compressed air and L.P. gas (w/o compressor)	6.87
.201	Push type - felt roller or brush	8.45
	Hand guided - engine powered	
86.202	Not self-propelled	17.80
.203	Self-propelled	30.59
	Truck mounted without truck	

86.204	Single line application	24.33
.205	Multiple line application	60.14
	<i>Integral unit, self-propelled, multiple line application</i>	
86.206	Under 30 gal. capacity	46.71
.207	30 gal. minimum capacity	70.96
.210	Traffic line remover - with 6 h.p. engine - self propelled	30.39
.212	Traffic line remover - hand propelled	5.83
.215	Thermoplastic melter and applicator; trailer mounted and hand applying machine	25.38
.220	Roll type stripper machine - manual - portable double line 4" width	1.76
.225	Airless paint sprayer	5.62
87.000	COMPRESSORS - (including tools and attachments)	
87.100	Under 60 c.f.m.	3.73
.200	60 c.f.m. minimum	4.00
.300	120 c.f.m. minimum	7.70
.400	180 c.f.m. minimum	12.08
.500	240 c.f.m. minimum	12.37
88.000	PUMPS	
	<i>Centrifugal - water or brine only. (classified by outlet size)</i>	
88.101	Under 3"	7.33
.102	3" minimum	9.33
.103	4" minimum	14.42
.104	6" minimum	18.17
.105	Quarry - (10 inch minimum outlet)	7.07
.120	Piston pump	12.30
.200	Diaphragm	15.35
.300	Rotary	6.93
.400	Pneumatic	6.07
88.500	Pressure pump - screw type without trailer	6.63
.521	High pressure pumps - under 50 gal. p/minute	5.94
.550	Fuel tank transfer pump, with meter & pump	.68
.600	Well point system - complete with pumps, well points, etc.	46.88

89.000	ROLLERS	
	<i>Towed type - cylinder (steel rollers)</i>	
89.101	1 ton	3.78
89.102	2 tons	5.18
.103	Sheepsfoot	4.48
.104	Compactor (concrete core, rubber-tire covered)	4.26
.105	Aerifier - (rubber-tired or with 3 point hitch)	4.65
.110	Patch roller (attachment to truck, hydraulic operated)	9.76
	<i>Rubber-tired (rated with full ballast) towed type</i>	
89.151	Under 11 tons	8.36
.152	11 tons minimum	11.36
.153	13 tons minimum	15.92
.154	15 tons minimum	16.30
	<i>Self-propelled - steel rollers</i>	
89.201	Under 6 tons	25.46
.202	6 tons minimum	29.71
.203	9 tons minimum	34.78
	<i>Self-propelled - rubber rollers</i>	
89.301	Under 6 tons	23.02
.302	6 tons minimum	29.77
.303	9 tons minimum	50.35
89.400	Vibratory compactor - power driven - hand guided, 12" minimum width	8.14
.401	Vibratory compactor - power driven - tractor attachment - 36" minimum width	13.90
.402	Vibratory compactor - self-propelled (manufactured as a complete integral unit), 8' min. width	49.08
.404	Vibratory compactor - self-propelled (manufactured as a complete integral unit), 3' min. width	31.15
90.000	MIXERS – SOILS	
90.050	With power take off, 10" maximum mixing depth	10.53
.100	With power take off over 11" mixing depth (not including tractor)	25.85
.200	Motorized pull type (not including tractor)	41.34

90.300	Integral unit for bituminous mix with spray bar, pump, etc. (self-propelled)	89.57
.400	Small hand guided for gardening with motor	7.04
91.000	TANKS	
	<i>Tanks - water, brine, or emulsion only</i>	
91.100	Under 500 gal.	3.77
.101	500 gal. minimum	5.62
.102	1,250 gals. Minimum	8.27
.103	2,200 gals. Minimum	8.93
.104	4,000 gals. Minimum	14.57
.105	6,000 gals. Minimum	22.13
	<i>Tanks with integrated running gear - water, brine or emulsion only</i>	
91.200	Under 500 gals	6.02
.201	500 gals. Minimum	9.33
.202	1,250 gals. Minimum	14.79
.203	2,250 gals. Minimum	15.19
.204	4,000 gals. Minimum	15.61
.205	6,000 gals. Minimum	17.96
92.000	AGGREGATE EQUIPMENT	
	<i>Crushing plant- manufactured weight of rolls and/or jaws</i>	
92.101	Under 6,750 lbs.	92.40
.102	6,750 lbs. minimum	96.28
.103	13,500 lbs. minimum	105.17
.104	27,000 lbs. minimum	125.20
.150	Roller cone type	70.47
.180	Screening plant (roller cone type)	25.16
92.200	Screening plant	46.99
.300	Screen - attachment to loader, 2' x 6'	13.63
	<i>Spreaders – Aggregate</i>	
92.401	Self-propelled	112.97
92.402	Towed type for shoulder surfacing with engine driven conveyer (not including truck)	58.72

92.403	Towed type, roller or auger (without spinner), hydraulic, chain motor, traction or truck tire friction drive	58.20
92.404	Pushed type for shoulder surfacing with engine driven conveyor (not including motor grader)	80.22
.405	Push type for shoulder surfacing, hydraulic driven by grader (not including grader)	34.88
.500	Measuring box	10.91
	<i>Trailers - V-bottom type and/or semi-dump</i>	
92.601	Under 11 ½ cu. yd. capacity	11.53
.602	11 1/12 cu. yd. capacity	13.99
.603	14 cu. yd. capacity	14.44
.604	17 ½ cu. yd. capacity	20.91
.605	25 cu. yd. capacity	25.99
93.000	AERIAL EQUIPMENT - (not including truck)	
.100	Ladder and attachment	1.59
	<i>Tower and/or platform (hydraulic)</i>	
93.200	Under 34' height (ground to platform)	5.02
.300	34' minimum height (ground to platform)	6.26
.400	50' minimum height (ground to platform)	9.26
93.600	Platform, towed-scissor lift type (self-propelled at job site)	65.61
94.000	MUD JACKS	
.100	Sidewalk and curb	3.53
.200	Pavement - (without truck)	49.67
95.000	LIFTS	
.200	Winch	3.54
.300	Industrial fork lift truck	41.84
.350	Hydraulic or electric tailgate lift (minimum lift - 1000 lbs.)	1.80
95.370	Electric crane - 360 degree rotation	12.11
.400	Lifting equipment (hydraulic) truck mounted -not including truck - boom raises and lowers and swings 360 degrees	8.29
95.450	Adjustable spreader lift beam	2.34
95.500	Monorail and electric hoist (truck mounted - not including truck)	16.95
95.550	Sign trailer	18.59

96.000	MISCELLANEOUS EQUIPMENT	
96.001	Cellular phone	.57
.002	Skull cracker (iron ball)	4.02
96.003	Hammer (gasoline)	7.06
.004	"loadometer" - each	1.02
.005	Portable electric sander - disc. or belt type	2.44
.006	Radio - two way system each mobile unit	.31
.007	Wheel loader weighing system	4.39
.008	Distance measuring instrument	.10
.009	Traffic system analyzer	.47
.010	Traffic counter	.31
.011	Ventilator, remote gas monitor, & winch w/full body harness	1.02
.012	Welder, electric or gas	8.23
.013	Back pack blower	3.73
.014	Air-broom (powered)	4.69
.015	Portable electric drill or hammer	3.71
.016	Portable electric saw	5.81
.017	Density kit (complete unit)	6.11
.018	Sign washer, port. (brush type) engine driven	21.77
.019	Flasher panel, portable (minimum 2' x 4') truck mounted	1.47
.020	Flasher panel with sequential flashing lights that produce a traveling arrow effect - electrically powered (minimum size 4'x 8')	6.57
	<i>Electric generators - portable</i>	
96.021	AC rating 999 watts of less	4.72
.022	AC rating 1,000 watts minimum	5.48
.023	AC rating 2,500 watts minimum	2.05
96.024	AC rating 10,000 watts minimum	11.41
.025	AC rating 30,000 watts minimum	14.85
.026	AC rating 70,000 watts minimum	13.68
.030	Ultrasonic globe washer	2.07
96.040	Changeable message sign, portable	19.32
.045	Portable light tower	2.55

96.046	Portable traffic signal	5.63
96.050	Vehicle mounted impact attenuator	13.34
.051	Trailer mounted impact attenuator (including trailer)	17.26
.060	Mats - for crane or tractor	.83
96.070	Cold water pressure washer	2.00
.071	Hot water pressure washer	19.01
.100	Outboard motor	1.59
.102	Pole trailer	5.05
.105	Landscape trailer (includes tool boxes)	2.09
.106	Traffic Cone Setter, Platform, (hitch mounted)	2.15
.108	Radar unit hand held	1.40
.110	TV sewer inspection unit (truck mounted, including truck)	63.26
.111	TV sewer inspection unit (portable)	11.23
.115	Nuclear moisture-density gauges	5.62
.118	Utility locator	2.51
.120	Floor scrubber and waxer	.75
.130	Slope & geometric data acquisition system	4.82
.145	Bridge scaffolding hangers	8.24
.150	Trench box	5.35
.151	Manhole box	5.37
.160	Portable space heater	3.71
.180	Speed Monitoring Trailer	1.93
	<i>Hydraulic power unit (portable) including tools & attach.</i>	
96.200	Under 2000 P.S.I.	2.22
.201	2000 P.S.I. minimum	4.35
.202	Hydraulic post straightener	.65
.205	Hydraulic pole tamper	6.17
.206	Hydraulic concrete breaker	6.71
.210	Hydraulic cutoff saw - abrasive wheel	8.57
.250	Mobile hydr. hammer - complete integral unit	59.90
.270	Hydraulic drop hammer attachment to tractor - 1000 lbs. minimum striker weight	12.16

96.280	Hydraulic impact wrench with hoses	4.94
.290	Fastening tool for stud anchors and nails	3.84
	<i>Sandblast machines without compressors</i>	
96.300	Under 150 lbs.	6.63
.301	150 lbs. minimum capacity	9.28
.302	300 lbs. minimum capacity	13.87
96.303	600 lbs. minimum capacity	20.98
.401	Pontoon boat	5.21
.405	Row boat 7' minimum	3.96
.408	Snow mobile	10.54
.409	Track setter	12.03
.415	All terrain utility vehicle w/pickup bed	10.91
	<i>Axle dollies - to convert semi-trailer to full trailer</i>	
96.420	Single axle	2.61
.421	Tandem axle	2.70
	<i>Flasher - barricades - complete unit with lights and generator, trailer mounted (classified by rated capacity of generators)</i>	
96.501	AC rating 999 watts or less	7.91
.502	AC rating 1,000 watts minimum	11.82
.503	AC rating 2,500 watts minimum	13.82
.504	AC rating 10,000 watts minimum	14.44
96.600	Pile hammer and puller, double acting - steam or compressed air power, attachment to crane, wheel, tractor, etc.	51.48
.601	Pile hammer (diesel) complete with leads, guides drive, cap, etc.	42.02
.650	Air or hydraulic demolition impact hammer attachment (including tool)	29.13
.701	Drop hammer - 2,000 lbs. minimum weight	4.20
.750	Halogen arrow bar (roof mounted)	.34
.755	Temperature sensor, truck mounted, relates road temperature to air temperature	.14
.800	Barricade, flashing arrow, trailer mounted-DC	7.93
.900	Barricade, flashing arrow, truck mounted-DC	4.51

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